AMENDMENT TO THE CLAIMS

Please amend claims 1 and 23.

No claims have been canceled.

No claims new have been added.

1. (Currently Amended) A method performed by a wireless data input device comprising a wireless receiving device and a wireless transmitting device, wherein the wireless transmitting device ~~is unequipped with a memory, and~~ comprises a microcontroller, the method comprising:

generating an identification code at the microcontroller without reading the identification code from any memory, the identification code identifying the wireless transmitting device;

sending at least one packet from the wireless transmitting device to the wireless receiving device wherein the at least one packet comprises the identification code generated by the microcontroller;

receiving at least the at least one packet at the wireless receiving device;

for each packet received by the wireless receiving device, determining whether the received packet comprises the identification code;

if the received packet comprises the identification code, recognizing the received packet as having been transmitted by the wireless transmitting device; and

if the received packet does not comprise the identification code, ignoring the received packet.

2. (Previously presented) The method of claim 1, further comprising:

connecting the wireless receiving device to a computer having a display device; and

if the received packet comprises the identification code, displaying a message on the display device indicating that the wireless receiving device is receiving normally.

3. (Previously presented) The method of claim 1, wherein the wireless transmitting device is a user operated portion of one of a wireless mouse, a wireless keyboard, a wireless joy stick, or a wireless pointing device.

4. (Previously presented) The method of claim 1, wherein the wireless receiving device is a wireless receiver for one of a wireless mouse, a wireless keyboard, a wireless joy stick, or a wireless pointing device.

5. (Canceled)

6. (Previously presented) The method of claim 1, wherein the wireless receiving device comprises a non-volatile memory, and the method further comprises:
storing the identification code in the non-volatile memory of the wireless receiving device.

7.—17. (Canceled)

18. (Previously presented) The method of claim 6, wherein determining whether the received packet comprises the identification code comprises:
obtaining the identification code of the received packet;
reading the identification code from the non-volatile memory;
comparing the identification code of the received packet to the identification code read from the non-volatile memory; and
determining the received packet comprises the identification code when the identification code of the received packet is identical to the identification code read from the non-volatile memory of the wireless receiving device.

19. (Previously presented) The method of claim 18, further comprising:
when the wireless transmitting device is first set up, sending an initial packet from the wireless transmitting device to the wireless receiving device, wherein the initial packet comprises the identification code.

20. (Previously presented) The method of claim 19, wherein the sending of the initial packet from the wireless transmitting device is triggered by inserting batteries into the wireless transmitting device.

21. (Previously presented) The method of claim 1, wherein the received packet comprises device displacement information, and the method further comprises:

if the received packet comprises the identification code, processing the device displacement information contained in the received packet.

22. (Previously presented) The method of claim 1, wherein the received packet comprises key press information, and the method further comprises:

if the received packet comprises the identification code, processing the key press information contained in the received packet.

23. (Currently amended) A wireless system comprising:

a computing device;

a wireless receiving device connected to the computing device, and configured to receive data packets wirelessly, the wireless receiving device being further configured to communicate at least a portion of the data in the received data packets to the computing device; and

a wireless transmitting device comprising a microcontroller ~~but lacking a memory, the microcontroller being~~ configured to generate an identification code without having first read the identification code from any memory, <u>the identification code identifying the wireless transmitting device,</u>

wherein when the wireless transmitting device is operated, the wireless transmitting device transmits user input data to the wireless receiving device in one or more data packets also comprising the identification code,

the computing device is further operable to recognize data packets received by the wireless receiving device comprising the identification code as having been transmitted by the wireless transmitting device, and

the computing device is further operable to ignore data packets received by the wireless receiving device not comprising the identification code.

24. (Previously presented) The wireless system of claim 23, wherein the computing device determines the wireless receiving device is operating normally when the wireless receiving device receives a first packet comprising the identification code generated by the microcontroller.

25. (Previously presented) The wireless system of claim 24, wherein the computing device comprises a display and is further operable to display a message indicating whether the wireless receiving device is operating normally.

26. (Previously presented) The wireless system of claim 24, wherein when the wireless transmitting device is first set up for use, the wireless transmitting device transmits an initial packet to the wireless receiving device comprising the identification code.

27. (Previously presented) The wireless system of claim 23, wherein the wireless transmitting device is a user operated portion of one of a wireless mouse, a wireless keyboard, a wireless joy stick, or a wireless pointing device, and

the wireless receiving device is a wireless receiver for the one of the wireless mouse, the wireless keyboard, the wireless joy stick, or the wireless pointing device.